

# Alessandro Leone

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

1,090  
citations

516215

16  
h-index

476904

29  
g-index

92  
all docs

92  
docs citations

92  
times ranked

1109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Objective assessment of physical activity and sedentary time of older adults using ambient and wearable sensor technologies. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 1961-1973.	3.3	4
2	Human work sustainability tool. Journal of Manufacturing Systems, 2022, 62, 76-86.	7.6	19
3	Comparative Analysis of Supervised Classifiers for the Evaluation of Sarcopenia Using a sEMG-Based Platform. Sensors, 2022, 22, 2721.	2.1	15
4	Behavioral Change Prediction from Physiological Signals Using Deep Learned Features. Sensors, 2022, 22, 3468.	2.1	0
5	Ambient and Wearable Sensor Technologies for Energy Expenditure Quantification of Ageing Adults. Sensors, 2022, 22, 4893.	2.1	3
6	Multi Sensorial Stimulation Lab: A New Approach for Severe Dementia. Lecture Notes in Electrical Engineering, 2021, , 65-81.	0.3	0
7	Analysis of Skeletal Muscles Contractility Using Smart SEMG-Based Socks. Lecture Notes in Electrical Engineering, 2021, , 39-47.	0.3	0
8	Deep transfer learning approaches for bleeding detection in endoscopy images. Computerized Medical Imaging and Graphics, 2021, 88, 101852.	3.5	43
9	Modeling, Fabrication and Integration of Wearable Smart Sensors in a Monitoring Platform for Diabetic Patients. Sensors, 2021, 21, 1847.	2.1	9
10	Guest editorial: the Italian perspective of AAL services and technologies. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 4407-4408.	3.3	0
11	Vision-Based Road Rage Detection Framework in Automotive Safety Applications. Sensors, 2021, 21, 2942.	2.1	7
12	Remaining Useful Life Prediction from 3D Scan Data with Genetically Optimized Convolutional Neural Networks. Sensors, 2021, 21, 6772.	2.1	4
13	Learning Approaches for Facial Expression Recognition in Ageing Adults: A Comparative Study. Intelligent Systems Reference Library, 2021, , 309-333.	1.0	0
14	Dancing With Parkinson's Disease: The SI-ROBOTICS Study Protocol. Frontiers in Public Health, 2021, 9, 780098.	1.3	7
15	Multi sensors platform for stress monitoring of workers in smart manufacturing context. , 2020, , .		13
16	Comparison Between Deep Learning Models and Traditional Machine Learning Approaches for Facial Expression Recognition in Ageing Adults. Journal of Computer Science and Technology, 2020, 35, 1127-1146.	0.9	23
17	Biometric Parameters Assessment for Foot Ulcers Prevention Through Wearable Devices. Lecture Notes in Electrical Engineering, 2020, , 1-7.	0.3	1
18	AI-Based Early Change Detection in Smart Living Environments. Sensors, 2019, 19, 3549.	2.1	10

#	ARTICLE	IF	CITATIONS
19	Smart EMG-based Socks for Leg Muscles Contraction Assessment. , 2019, , .		10
20	Big Data Analytics in Smart Living Environments for Elderly Monitoring. Lecture Notes in Electrical Engineering, 2019, , 301-309.	0.3	2
21	Smart Insole for Diabetic Foot Monitoring. Lecture Notes in Electrical Engineering, 2019, , 571-577.	0.3	2
22	Radar Sensing of Vital Signs in Assisted Living Applications. Lecture Notes in Electrical Engineering, 2019, , 3-22.	0.3	1
23	Fabrication of Flexible ALN Thin Film-Based Piezoelectric Pressure Sensor for Integration Into an Implantable Artificial Pancreas. Lecture Notes in Electrical Engineering, 2019, , 343-347.	0.3	1
24	Facial Expression Recognition in Ageing Adults: A Comparative Study. Lecture Notes in Electrical Engineering, 2019, , 349-359.	0.3	2
25	Multi-sensor Platform for Automatic Assessment of Physical Activity of Older Adults. Lecture Notes in Electrical Engineering, 2019, , 417-427.	0.3	1
26	Fully Integrated Smart Insole for Diabetic Foot. Lecture Notes in Electrical Engineering, 2019, , 221-228.	0.3	0
27	Supervised machine learning scheme for electromyography-based pre-fall detection system. Expert Systems With Applications, 2018, 100, 95-105.	4.4	58
28	A Fall Detector Based on Ultra-Wideband Radar Sensing. Lecture Notes in Electrical Engineering, 2018, , 373-382.	0.3	3
29	Sensorized Insole for Diabetic Foot Monitoring. Proceedings (mdpi), 2018, 2, .	0.2	7
30	Multi-sensor Platform for Detection of Anomalies in Human Sleep Patterns. Lecture Notes in Electrical Engineering, 2018, , 276-285.	0.3	2
31	Radar-Based Fall Detection Using Deep Machine Learning: System Configuration and Performance. Lecture Notes in Electrical Engineering, 2018, , 257-268.	0.3	0
32	RGB-D Sensor for Facial Expression Recognition in AAL Context. Lecture Notes in Electrical Engineering, 2018, , 313-321.	0.3	0
33	Unobtrusive Technology for In-Home Monitoring: Preliminary Results on Fall Detection. Lecture Notes in Electrical Engineering, 2017, , 119-126.	0.3	0
34	Fall risk evaluation by surface electromyography technology. , 2017, , .		5
35	Detecting falls and vital signs via radar sensing. , 2017, , .		3
36	A Radar-Based Smart Sensor for Unobtrusive Elderly Monitoring in Ambient Assisted Living Applications. Biosensors, 2017, 7, 55.	2.3	92

#	ARTICLE	IF	CITATIONS
37	Supporting Physical and Cognitive Training for Preventing the Occurrence of Dementia Using an Integrated System: A Pilot Study. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 367-374.	0.2	1
38	Design and Evaluation of an ICT Platform for Cognitive Stimulation of Alzheimerâ€™s Disease Patients. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 106-115.	0.2	1
39	Fall Risk Evaluation by Electromyography Solutions. Lecture Notes in Electrical Engineering, 2017, , 279-285.	0.3	0
40	A Wearable EMG-based System Pre-fall Detector. Procedia Engineering, 2015, 120, 455-458.	1.2	27
41	An EMG-based system for pre-impact fall detection. , 2015, , .		6
42	A preliminary study on fall risk evaluation through electromiography systems. , 2015, , .		1
43	Heterogeneous sensor platform for circadian rhythm analysis. , 2015, , .		3
44	People occupancy detection and profiling with 3D depth sensors for building energy management. Energy and Buildings, 2015, 92, 246-266.	3.1	61
45	An open NFC-based platform for vital signs monitoring. , 2015, , .		3
46	A Near Field Communication-Based Platform for Mobile Ambient Assisted Living Applications. Biosystems and Biorobotics, 2015, , 125-132.	0.2	2
47	Alzheimer Patientâ€™s Home Rehabilitation Through ICT Advanced Technologies: The ALTRUISM Project. Biosystems and Biorobotics, 2015, , 377-385.	0.2	6
48	Care@Home: Methodology, Goals and Project Experimentation Activities. Biosystems and Biorobotics, 2015, , 307-316.	0.2	0
49	GOJI an Advanced Virtual Environment Supporting Training of Physical and Cognitive Activities to Prevent Dementia Occurrence in Elderly with Minor Cognitive Disorders. Biosystems and Biorobotics, 2015, , 429-437.	0.2	2
50	Open and low power near field communication-based platform in healthcare applications. , 2014, , .		0
51	Cognitive Home Rehabilitation in Alzheimerâ€™s Disease Patients by a Virtual Personal Trainer. , 2014, , 147-155.		6
52	A Virtual Trainer by Natural User Interface for Cognitive Rehabilitation in Dementia. Lecture Notes in Computer Science, 2014, , 300-309.	1.0	2
53	In-home hierarchical posture classification with a time-of-flight 3D sensor. Gait and Posture, 2014, 39, 182-187.	0.6	16
54	Supervised Machine Learning Scheme for Wearable Accelerometer-Based Fall Detector. Lecture Notes in Electrical Engineering, 2014, , 295-299.	0.3	3

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55	Time-of-Flight Sensor-Based Platform for Posture Recognition in AAL Applications. Lecture Notes in Electrical Engineering, 2014, , 207-211.	0.3	0
56	Expert System for Wearable Fall Detector. , 2014, , 99-106.		0
57	A natural user-interface based platform for cognitive rehabilitation in Alzheimerâ€™s disease patients. Gerontechnology, 2014, 13, .	0.0	1
58	Support Vector Machine for tri-axial accelerometer-based fall detector. , 2013, , .		8
59	Supervised machine learning scheme for tri-axial accelerometer-based fall detector. , 2013, , .		2
60	Supervised wearable wireless system for fall detection. , 2013, , .		2
61	TOF Sensor Network for AAL Monitoring Services. Procedia Computer Science, 2013, 19, 511-515.	1.2	0
62	Human posture recognition with a time-of-flight 3D sensor for in-home applications. Expert Systems With Applications, 2013, 40, 744-751.	4.4	32
63	Aroma analysis by GC/MS and electronic nose dedicated to Negroamaro and Primitivo typical Italian Apulian wines. Sensors and Actuators B: Chemical, 2013, 179, 259-269.	4.0	70
64	Supervised Expert System for Wearable MEMS Accelerometer-Based Fall Detector. Journal of Sensors, 2013, 2013, 1-11.	0.6	44
65	Context-Aware AAL Services through a 3D Sensor-Based Platform. Journal of Sensors, 2013, 2013, 1-10.	0.6	5
66	TOF Cameras in Ambient Assisted Living Applications. , 2013, , 203-240.		0
67	A multi-feature scheme for posture recognition with 3D TOF sensor. , 2012, , .		1
68	Geodesic-based human posture analysis by using a single 3D TOF camera. , 2011, , .		11
69	Topological and volumetric posture recognition with active vision sensor in AAL contexts. , 2011, , .		3
70	Detecting falls with 3D range camera in ambient assisted living applications: A preliminary study. Medical Engineering and Physics, 2011, 33, 770-781.	0.8	69
71	Range Imaging for Fall Detection and Posture Analysis in Ambient Assisted Living Applications. Lecture Notes in Electrical Engineering, 2011, , 397-401.	0.3	0
72	An integrated system for people fall-detection with data fusion capabilities based on 3D ToF camera and wireless accelerometer. , 2010, , .		12

#	ARTICLE	IF	CITATIONS
73	An automated active vision system for fall detection and posture analysis in Ambient Assisted Living applications. , 2010, , .		1
74	Microsystem Technology for Ambient Assisted Living (AAL). Procedia Chemistry, 2009, 1, 710-713.	0.7	3
75	A networked multisensor system for ambient assisted living application. , 2009, , .		14
76	Surface plasmon resonance imaging technique for nucleic acid detection. Sensors and Actuators B: Chemical, 2008, 130, 82-87.	4.0	27
77	A hardware-software framework for high-reliability people fall detection. , 2008, , .		25
78	Stereoscopic System for 3-D Seabed Mosaic Reconstruction. , 2007, , .		5
79	Shadow detection for moving objects based on texture analysis. Pattern Recognition, 2007, 40, 1222-1233.	5.1	173
80	A fully automated approach for underwater mosaicking. , 2006, , .		11
81	A shadow elimination approach in video-surveillance context. Pattern Recognition Letters, 2006, 27, 345-355.	2.6	23
82	A powerful method for feature extraction and compression of electronic nose responses. Sensors and Actuators B: Chemical, 2005, 105, 378-392.	4.0	21
83	Posture estimation in visual surveillance of archaeological sites. , 0, , .		8
84	Human posture recognition using active contours and radial basis function neural network. , 0, , .		15
85	A texture-based approach for shadow detection. , 0, , .		11